Proposal Full View

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Applicant Information

Organization Name	Reclamation District 2035 *
Tax ID	**680249569**
Proposal Name	RD 2035 Conjunctive Use and Environmental Enhancement Program *
Proposal Objective	The objective of the RD 2035 Conjunctive Use and Environmental Enhancement Program is to develop and implement an adaptive management conjunctive use program to integrate surface water and groundwater resources and increase water supply reliability for agricultural, urban, and environmental interest located along the lower Sacramento River and north Delta region. Because of its unique proximity adjacent to the lower Sacramento River, abundant senior water rights, existing diversion, conveyance, and pumping infrastructure, and a groundwater basin that can be exercised as a sub-surface reservoir, the potential to move beyond a reactive form of conjunctive use management to developing a proactive, integrated, adaptive management network through conjunctive use optimization will provide more reliable water supplies seasonally and inter-annually for agricultural, urban, and environmental interest in southeast Yolo County and the north Delta region. *

Budget

Other Contribution	$0.00
Local Contribution	$200,000.00
Federal Contribution	$0.00
Inkind Contribution	$0.00
Amount Requested	$250,000.00 *
Total Project Cost	$450,000.00 *

Geographic Information

Latitude *	DD(+/-)	38	MM	38	SS	49
Longitude *	DD(+/-)	121	MM	40	SS	6

Longitude/Latitude Clarification: Location

		Groundwater basin underlying RD 2035 and adjacent to Lower Sacramento River
County		Yolo *
Ground Water Basin		Sacramento Valley-Yolo
Hydrologic Region		Sacramento River
Watershed	Portions of Watershed numbers 70 (Sacramento Delta), 71 (Valley Putah-Cache) and 80 (Colusa Basin)	

Legislative Information

Assembly District	8th Assembly District *
Senate District	5th Senate District *
US Congressional District	District 1 (CA) *

Project Information

Project Name: RD 2035 Conjunctive Use and Envi

Implementing Organization	Reclamation District 2035
Secondary Implementing Organization	
Proposed Start Date	1/1/2013
Proposed End Date	12/12/2014
Project Scope	To develop a conjunctive use program under a comprehensive update of RD 2035's GWMP and public outreach program.
	The RD 2035 Conjunctive Use and Environmental Enhancement Program (CUP) will include five main elements: (1) technical analyses involving conjunctive use optimization using demonstrated quantitative management techniques, (2) a groundwater management plan update to comply with SB 1938 requirements, (3) public outreach and local agency coordination, (4) an environmental analysis; and (5) a decision-making optimization toolkit that can be applied to groundwater basins through the Sacramento and San Joaquin Valleys. A two-way communication loop between the first four individual elements will

Project Description	ensure current and consistent information feeds the other elements to ensure the program's objectives and constraints are consistent with the Yolo IRWMP, the California Water Plan (2009 Update), and the Delta Stewardship Plan. The proposed Project will consist of existing RD 2035 facilities and water rights. Through development and implementation of a forward-thinking conjunctive use optimization program, (1) potential un-intended impacts will be minimized or eliminated and (2) potential opportunities for increasing water supply reliability to agriculture, urban, and environmental interests in Yolo County and the north Delta region, as well as ecosystem habitat improvements, water quality improvements will be identified, while minimizing land subsidence or other issues of concern. Conjunctive use optimization requires sophisticated numerical techniques and a wealth of physical data. The Yolo Sub-basin of the Sacramento Valley Groundwater Basin possesses a strong foundation of technical information to build upon and implement the RD 2035 CUP. Without a regionally-based optimization program, discrete institutional water supply management decisions will lack the benefit of BMO optimization and unintentionally could impact valuable natural resources in the region.
Project Objective	(1) To integrate surface water and groundwater supplies in an adaptive, optimized conjunctive use strategy that increases reliability for agriculture, urban, and environmental interests in Yolo County and the north Delta region; (2) to implement the conjunctive use program under a comprehensive update of RD 2035's GWMP; and (3) to make available the conjunctive use optimization decision-making tool that can be used in other basins within the Sacramento and San Joaquin Valleys.

Project Benefits Information

Project Objective

Budget

Other Contribution	0
Local Contribution	200000
Federal Contribution	

	0
Inkind Contribution	0
Amount Requested	250000
Total Project Cost	450000

Geographic Information

Latitude DD(+/-)	38	MM	38	SS	49
Longitude DD(+/-)	121	MM	40	SS	6

Longitude/Latitude Clarification Location: Groundwater basin underlying RD 2035 a

County Yolo Ground Water Basin Sacramento Valley-Yolo Hydrologic Region Sacramento River WaterShed: Portions of Watershed numbers 70 (Sacramento Delta), 71

Legislative Information

Assembly District	8th Assembly District
Senate District	5th Senate District
US Congressional District	District 1 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. Applicant Information

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

Reclamation District 2035, 45332 County Road 25, Woodland, CA 95776

Q2. Proposal Description:

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

The RD 2035 Conjunctive Use and Environmental Enhancement Program (CUP) proposes to integrate its surface water and groundwater supplies for the benefit of basin water users and the environment, along with a comprehensive update of its groundwater management plan. Maximizing integration of its water supplies using available groundwater storage can make water available to other beneficial uses and can be done by developing an optimization model. This CUP is possible because of RD 2035's unique proximity adjacent to the lower Sacramento River and the north Delta region, its existing senior rights, usable storage in the underlying groundwater reservoir, and its existing infrastructure. Yolo County possesses a wealth of information related to its water supplies. Multiple studies, GWMPs, an IRWMP, along with the State Water Plan Update, identify conjunctive use as the leading strategy to address water supply uncertainty, water quality concerns, and habitat challenges. The CUP will regionally unify

multiple BMOs and will afford the State an opportunity to include this program in its adaptive management planning for the north Delta region. The work plan will be to develop a numerical decision-making tool and program to optimize utilization of the surface-water and groundwater resources within RD 2035 for the benefit of the region. This tool will be used to implement an optimal water supply plan for the users within Yolo County and the north Delta region. The decision-making tool will be made available to other potential conjunctive use efforts in the Sacramento and San Joaquin Valleys. Specific objectives associated with this effort would be to develop a numerical decision-making tool using quantitative management technology and an adaptive management program that will contribute to state-wide water planning goals within the following constraints: * Maintaining and enhancing current irrigated cropping * Maintaining sustainable groundwater supplies within both RD 2035 and adjacent areas, * Avoiding permanent land subsidence * Avoiding adverse environmental impacts on the Sacramento River and other streams * Improving water quality and quantity to the Delta for environmental purposes This would be accomplished by developing a characterization of the hydrologic system, representing that system within a mathematical model, and using the model and the methods of quantitative management to identify the annual optimal management solution for surface water and groundwater resources. This information would then be used to update the Groundwater Management Plan to comply with current state requirements. The primary focus will be developing a decision-making tool and plan that is implementable using the existing infrastructure within RD 2035. The current groundwater management plan identifies a framework for the protection and utilization of the aquifer system that supports this proposal: * To define criteria for groundwater pumping and aquifer protection that is based on scientific analysis of monitoring results and provides the flexibility to use available water supplies for agricultural production, recreation, wetland restoration, wildlife management, urban use, and water transfers or exchanges * To establish the monitoring, recharge and evaluation programs necessary to actively manage conjunctive uses of groundwater and surface water supplies * To implement a Conjunctive Use Program for Eastern Yolo County * To provide a Program, which can be used as a tool to optimally integrate surface water and groundwater supplies and educate the public about management of the system RD 2035 coordinates its groundwater management and monitoring efforts through membership in the regional association in Yolo County.

Q3. Project Director:

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

Project Director: Regina Cherovsky, Operations Manager, RD 2035, 45332 County Road 25, Woodland, California 95695, 530-662-1484, regina@conawayranch.com

Q4. Project Manager:

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Project Manager: Tim Durbin, Timothy J. Durbin, Inc., 4509 Woodfair Way, Carmichael, CA 95608, W: (916)966-8637, C:(916) 213-8637

Q5. Additional Information:

http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm

1) ☐ Northern Region
2) ☑ North Central Region
3) ☐ South Central Region
4) ☐ Southern Region

Q6. Additional Information:

Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.

RD 2035 adopted its groundwater management plan pursuant to ?10753 of Division 6 of the California Water Code (Assembly Bill 3030) on April 25, 1995. The purpose of the groundwater management plan is to provide a framework for the protection, utilization of the aquifer system underlying RD 2035, and integration of its surface water and groundwater supplies to maximize beneficial use.

Q7. Additional Information:

Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).

(1) Water Resources Association of Yolo County, By-Laws and Adopted Revision, November 19, 2007. RD 2035 is a current member and financial supporter of the Water Resources Association of Yolo County. The Association is a nonprofit mutual benefit corporation organized under the California Nonprofit Mutual Benefit Corporation Law. The purpose of this Association is to engage in any lawful act or activity for which a corporation may be organized under such law. The specific purposes of this Association are to: (a) support the efforts of its Members to obtain, protect and maintain a high quality water supply adequate for the present and future needs of Yolo County; (b) educate its Members, governmental authorities and the public regarding all aspects of water use and water rights; and (c) provide a forum for the exchange of information among Members and others. (2) The WRA of Yolo County adopted the Yolo IRWMP in April 2007. The chief objective of the Yolo IRWMP is to coordinate and conjunctively manage surface water and groundwater supplies in Yolo County to maximize beneficial use and avoid potential impacts to natural resources.

Q8. Additional Information

Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no “Other Contributions” Please answer this question with, “No Other Contributions”.

Other Contribution = $200,000 provided by RD 2035.

Q9. Eligibility:

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

RD 2035 is a local public agency as defined in the California Water Code (CWC) Section 10701(a) and

is governed by a board of three trustees elected by the landowners. California Reclamation Districts are legal subdivisions within California?s Central Valley that are responsible for managing and maintaining the levees, fresh water channels, or sloughs, canals, pumps, and other flood protection structures in the area. The reclamation districts were created by acts of State Legislature, mostly in the early 1900s in order to allow land to be used for agriculture. RD 2035 was formed in 1919 to provide levee maintenance and drainage services to approximately 20,500 acres of land in Yolo County near the City of Woodland. RD 2035 is a local public entity that has legal authority and jurisdiction under Water Code Section 50000 et seq. to implement flood control programs and projects that reconstruct, replace, improve, or add to facilities as defined in Public Resources Code Section 5096.805(j). On April 25, 1995, RD 2035 adopted its groundwater management plan pursuant to Section 10753 of Division 6 of the California Water Code (Assembly Bill 3030). Under this LGA grant application, RD 2035 is proposing to comprehensively update its groundwater management plan consistent with current water code requirements for groundwater management planning. RD 2035 is not an urban water supplier as defined by California law, and therefore, is not required to submit and urban water management plan or required to comply with AB 1420 requirements.

Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

RD 2035 does not provide wholesale or retail water service as defined by the Urban Water Management Planning Act CWC ?10610 et seq., and therefore, is not required to submit a 2010 UWMP to DWR.

Q11. Completeness Check:

Have all of the fields in the application been completed?

Yes

Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

NA

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

Attachment 1. Authorizing Documentation

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att1_LGA12_RD2035_AuthorizingDoc_1of1.pdf

Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att2_LGA12_RD2035_EligibilityDoc_1of1.pdf

Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att3_LGA12_RD2035_GWMPStatus_1of1.pdf

Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att4_LGA12_RD2035_ProjectDescription_1of1.pdf

Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att5_LGA12_RD2035_WorkPlan_1of1.pdf

Attachment 6. Budget

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att6_LGA12_RD2035_Budget_1of1.pdf

Attachment 7. Schedule

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att7_LGA12_RD2035_Schedule_1of1.pdf

Attachment 8. Quality Assurance

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att8_LGA12_RD2035_QualityAssurance_1of1.pdf

Attachemnt 9. Past Performance

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att9_LGA12_RD2035_PastPerformance_1of1.pdf

Attachment 10. AB1420 and Water Meter Implementation Compliance

Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".